

L3 ANSWER 66 OF 108 CA COPYRIGHT 2005 ACS on STN
 AN 117:75808 CA
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 TI Removal of heavy metals from incinerator ashes
 IN Fujita, Sanai
 PA Japan
 SO Jpn. Kokai Tokkyo Koho, 3 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM B09B003-00
 ICS B09B003-00; C02F011-00; F23J001-00
 CC 60-4 (Waste Treatment and Disposal)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04061981	A2	19920227	JP 1990-168367	19900628
	JP 2522717	B2	19960807		
PRAI	JP 1990-168367		19900628		

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	JP 04061981	ICM	B09B003-00
		ICS	B09B003-00; C02F011-00; F23J001-00
AB	<p>Incinerator ashes contg. <u>heavy metals</u> (e.g.; Cd, Pd, Cr and Hg) are treated by contacting with granular adsorbents prep. from an animal bone powder. Thus, a 60:40 wt. ratio of a cattle bone powder and clay was kneaded with water, pelletized and then calcined at .apprx.1000.degree. to form <u>granular adsorbents</u>, which were then contacted with an incinerator ash contg. Cd 4.8, Pb 2600, Cr 540, and Hg 0.1 ppm) at .apprx.1200.degree. in a rotary kiln. The treated ash contained Cd 0.01, Pb 0.1, Cr 0.05, and Hg 0.0005 mg/L.</p>		
ST	<p>incinerator ash heavy metal removal; adsorbent cattle powder incinerator ash; cadmium removal adsorbent incinerator ash; lead removal adsorbent incinerator ash; mercury removal adsorbent incinerator ash</p>		
IT	<p>Cattle (bone powder, granular adsorbents prep. from, for heavy metal removal from incinerator ashes)</p>		
IT	<p>Adsorbents (granular, from cattle bone powder, for heavy metal removal from incinerator ashes)</p>		
IT	<p>Metals, miscellaneous RL: REM (Removal or disposal); PROC (Process) (heavy, removal of, from incinerator ashes, cattle bone powder-derived granular adsorbents for)</p>		
IT	<p>Ashes (residues) (incinerator, heavy metal removal from, adsorbents from, prep. of, from animal bone powder)</p>		
IT	<p>7439-92-1, Lead, miscellaneous 7439-97-6, Mercury, miscellaneous 7440-43-9, Cadmium, miscellaneous 7440-47-3, Chromium, miscellaneous RL: REM (Removal or disposal); PROC (Process) (removal of, from incinerator ashes, cattle bone powder-derived granular adsorbents for)</p>		